

PRELIMINARY PROGRAM

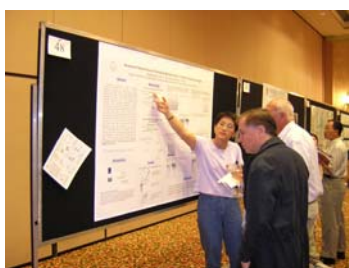


Session at the 2005 Nutrition and Aging Symposium

review program updates at
www.americanaging.org/2006.html

CALL FOR ABSTRACTS

The program for our 2006 annual meeting will consist of invited lectures with special emphasis on the intervention in aging and age-related diseases. Topics selected for this meeting include biology of aging, sarcopenia, osteoporosis, age-related skin diseases, immunity and infection, metabolism, caloric restriction in the human, aging of the brain and novel therapies for neurodegenerative disease. In addition to the invited program there will be poster and oral presentations from submitted abstracts. **The abstract deadline is March 1, 2006. Student and minority travel awards will be available to facilitate attendance at meeting.** For further information on abstract submission, registration and awards, please visit our website www.americanaging.org.



Poster Presentation at the 33rd AGE Annual Meeting

FRIDAY, JUNE 2, 2006 PRE-MEETING SYMPOSIUM: Caloric Restriction

| | | |
|----------|---|---------------------------------|
| 8:00 AM | Welcome | Richard Weindruch, Chair |
| | Model organisms | |
| 8:15 AM | SIR2 Genes and Calorie Restriction | Leonard P. Guarente |
| 8:45 | A Biochemical/Genetic Pathway for the Life Span Extending Effects of Calorie Restriction in the Fly | Stephen L. Helfand |
| 9:15 | Dietary Restriction and Gene Expression in <i>C. elegans</i> | David Gems |
| 9:45 | <i>Break</i> | |
| | Rodents | |
| 10:00 | Effects of Moderate (8%) Caloric Restriction on Free Radical Biology | Chris Leeuwenburgh |
| 10:30 | Metabolic Regulators in Calorie Restriction: Linking Cell Survival and Organismal Longevity | Rozalyn M. Anderson |
| 11:00 | Caloric Restriction and Lowering of Mitochondrial ROS Production: From Calorie to Protein and, from Protein to Methionine Restriction | Gustavo Barja |
| 11:30 | <i>Lunch Break</i> | Lunch Break |
| | Non-human primates | |
| 12:30 PM | The University of Wisconsin Dietary Restriction and Aging Study | Ricki Colman |
| 1:00 | The NIA Study of Dietary Restriction and Aging | Donald K. Ingram |
| 1:30 | Aging, Immunity and Caloric Restriction in Rhesus Macaques | Janko Nikolich-Zugich |
| 2:00 | <i>Break</i> | |
| | Human primates | |
| 2:15 | Long-term Adaptations to CR | John O. Holloszy |
| 2:45 | Caloric Restriction in Humans: Feasibility and Preliminary Results | Susan B. Roberts |
| 3:15 | Effect of CR on Energy Metabolism with Emphasis on Mitochondrial Biogenesis | Eric Ravussin |
| 3:45 | Panel Discussion: Is Caloric Restriction the Only Way to Increase Health Span? <i>Moderator: James Joseph</i> | |

35th American Aging Association Annual Meeting Interventions in Aging and Age-related Diseases: the Present and the Future FRIDAY, June 2, 2006

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| 5-7 PM | American Aging Association 35th Annual Meeting Registration | |
| 5-7 PM | American Aging Association Board Meeting | |
| 7-9 PM | 35th Annual Meeting Welcome Reception | |
| SATURDAY, June 3, 2006 | | |
| 7:00 AM | Registration | |
| 8:15 | Welcome Notes | Simin Meydani, Chair |
| 8:30 | SESSION 1: Current Advances in Understanding the Basic Biology of Aging | CHAIR: Raj Sohal |
| | Identification of Mechanisms of Aging from Worm to Man | Siegfried Hekimi |
| | Reactive Oxygen Species, Signal Transduction and Aging | Toren Finkel |
| | Mitochondrial Respiratory Activity, Oxidative Stress & Aging | Raj Sohal |
| 10:15 | <i>Break</i> | |
| 10:30 | SESSION 2: Sarcopenia: Cause, Effect, and Treatment | CHAIR: William Evans |
| | Molecular Mechanisms | Geoff Goldspink |
| | Hormonal and Pharmacological Treatment | Shalender Bhasin |
| | Nutritional and Exercise Interventions | William J. Evans |
| 12:30-2:00 PM | NEW! Lunch and AGE sponsored debate: Amyloid-beta and Alzheimer's Disease: Center Ring or Side Show? - Moderator: Dr. Don Ingram, NIA | |
| 2:00 | SESSION 3: Osteoporosis: Mechanisms, Prevention and Treatments | CHAIR: Connie Weaver |
| | Osteoporosis: In Search of an Underlying Mechanism | Robert Klein |
| | Osteoporosis: Life Choices for Prevention | Connie Weaver |
| | Osteoporosis: Treatments, but No Cure | Dennis Black |
| 4:00-6:00 | Poster session – Wine and cheese | |
| 7:00 | SOCIAL | |

PRELIMINARY PROGRAM (cont.)

| SUNDAY, JUNE 4, 2005 | | |
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| 7:00 AM | Registration | Registration |
| 8:15 | SESSION 4: Intervention in Aging and Age-Related Skin Diseases | CHAIR: Barbara Gilchrest |
| | The Role of Telomere-Based Signaling in Skin Aging/Photoaging | Mina Yaar |
| | The Role of Retinoids in Preventing and Treating Skin Aging Changes | Sewon Kang |
| | Mechanisms and Consequences of Age-Associated Changes in the Skin Barrier | Peter Elias |
| 10:15 | <i>Break</i> | |
| 10:30 | SESSION 5: Immunity and Infection | CHAIR: Laura Haynes |
| | Age and the Adaptive Immune System | Jorg Goronzy |
| | The Effect of Age on the Cognate Function of CD4 T- Cells | Laura Haynes |
| | Influenza Vaccination: T-Cell Responses Translate to Health Outcomes in Older Adults | Janet McElhaney |
| 12:30–2:30 PM | Award Luncheon—Speaker: Britton Chance | Award Luncheon—Speaker: Britton Chance |
| 2:30 | SESSION 6: Trans-Atlantic Awareness & Collaboration Symposium on Aging Research | CHAIRS: Richard Faragher and Norman Wolf |
| | The Modification of IL-7 and the Reversal of Thymic Atrophy in Aged Mice | Sian Hensen |
| | Functional Effect of Failure of Adaptive Responses in Skeletal Muscle During Aging | Anne McArdle |
| | Reconstructing Young and Aged Skin | Ian Kill |
| | Analyzing the Relationship Between Oxidative Stress and Aging in Drosophila | Robert Saunders |
| | Understanding Soft Tissue Aging - the Effect of Cyclical Loading | Rodger Smith |
| | Inclusive Design Tool Based on Psychological and Biomechanical Functional Performance | Bernie Conway |
| 4:30–5:30 | Denham Harman Lecture | |
| 5:30–6:00 | AGE BUSINESS MEETING | |
| | Speaker dinner | |
| 6:30 | Student Session —Data Blitz, Round Table - discussion on perspectives on careers in aging research and Social event | |
| MONDAY, JUNE 5 | | |
| 7:00 AM | Registration | |
| 8:15 | SESSION 7: Metabolic Syndrome and Aging | CHAIRS: Mohsen Meydani & Jose Ordovas |
| | Introduction: Metabolic Syndrome and its Connection to Aging | Mohsen Meydani |
| | Adipocytes, Inflammation and the Metabolic Syndrome in Aging | Nir Barzilai |
| | Mitochondrial Mutation, Aging and Metabolic Syndrome | Richard P. Lifton |
| | Intervention in Metabolic Syndrome of Aging | Jose Ordovas |
| 10:15 | <i>Break</i> | |
| 10:30 | SESSION 8: Calcium-Mediated Signal Transduction in Brain Aging | CHAIR: James Joseph |
| | The Duality of Signaling Effects Induced by Dietary Interventions in Oxidative Stress or Learning Paradigms | James Joseph |
| | Learning-Induced Activation of Transcription Factors Among Multiple Memory Systems | Paul J. Colombo |
| | Therapeutic Targets in Alzheimer's Disease: Signal Transduction Mechanisms | Mark A. Smith |
| 12:30PM–2:00 | NEW! Lunch – Trans-Atlantic Collaboration on Aging Workshop <i>Moderated by: Simin Meydani, Richard Faragher and Norman Wolf</i> | |
| 3:00–5:00 | PUBLIC SESSION | |

35th AGE Annual Meeting Speakers

Chair:

Simin Nikbin Meydani, DVM, PhD

Shalender Bhasin, MD, Boston University School of Medicine

Nir Barzilai, MD, Albert Einstein Medical School

Dennis Black, PhD, UCSF

Britton Chance, PhD, University of Pennsylvania

Bernie Conway, PhD, Strathclyde University, UK

Peter Elias, MD, University of California, San Francisco

William J. Evans, PhD, UCLA

Richard Faragher, PhD, University of Brighton, UK

Toren Finkel, MD, PhD, NHLBI

Barbara Gilchrest, MD, Boston University School of Medicine

Geoff Goldspink, PhD, Royal Free and Univ. College Medical School, UK

Jorg Goronzy, MD, Emory University

Laura Haynes, PhD, Trudeau Institute

Siegfried Hekimi, PhD, McGill University, Canada

Sian Hensen, PhD, Imperial College, UK

Donald Ingram, PhD, National Institute on Aging

James Joseph, PhD, JMUSDA-HNRCA at Tufts University

Sewon Kang, MD, University of Michigan School of Medicine

Ian Kill, PhD, Brunel University, UK

Robert Klein, MD, Oregon Health & Science University

Anne McArdle, PhD, University of Liverpool, UK

Janet McElhaney, MD, University of Connecticut Health Center

Mohsen Meydani, DVM, PhD, JMUSDA-HNRCA at Tufts University

Jose Ordovas, PhD, JMUSDA-HNRCA at Tufts University

Robert Saunders, PhD, Open University, UK

Mark A. Smith, PhD, Case Western Reserve University

Rodger Smith, PhD, Royal Veterinary College, UK

Raj Sohal, PhD, University of Southern California

Connie Weaver, PhD, Purdue University

Norman Wolf, DVM, PhD, University of Washington

Mina Yaar, MD, Boston University School of Medicine